



Functional Differences – NYSE Group Pillar Equities Platforms

This document provides an overview of major functionality available on the NYSE Pillar trading platform across the NYSE Group equities markets. It is organized into the following categories, which may be used to search the document for relevant information:

- #General
- #Gateways
- #OrderHandling
- #MarketData
- #Auctions

#Gateways - this document describes NYSE Pillar Gateway (FIX, Binary) functionality only.

For more information regarding NYSE Pillar, please visit NYSE.com/Pillar.

		NYSE Pillar Trading Platform					
		Standard Pillar Feature/Behavior	NYSE - Tape A Symbols	NYSE - Tape B&C Symbols	NYSE Arca EQ	NYSE American EQ	NYSE National EQ/ Chicago EQ
1	Order Entry Time & Hours of Operation	Applicability and timing of the following are market-specific, but functionality is standard:		All Tape B&C symbols are Non-Auction-Eligible			All symbols are Non-Auction-Eligible
	(all times represented as Eastern)	- Early Auction Imbalance Freeze – during this time, the non-displayed portion of reserve orders are included in Total Imbalance calculations.	- Begins accepting orders: 6:30 AM	- Begins accepting orders: 6:30 AM	- Begins accepting orders: 2:30 AM	- Begins accepting orders: 6:30 AM	- Begins accepting orders: 6:30 AM
	#General	- Core MOO/LOO Cancellation Cutoff – MOO and LOO Orders may not be canceled, cancel/replaced, or modified after this time.			- Early Auction Imbalance Freeze: 3:59 AM – 4:00 AM	- Early Auction Imbalance Freeze: 6:59 AM – 7:00 AM	
		- Core Auction Imbalance Freeze – New MOO and LOO Orders will be rejected if entered during this time.	No Early Trading Session	- Early Trading Session: 7:00 AM – 9:30 AM (no Early Open Auction and no Imbalance Freeze)	- Early Trading Session: 4:00 AM – 9:30 AM	- Early Trading Session: 7:00 AM – 9:30 AM	- Early Trading Session: 7:00 AM – 9:30 AM
		Other new Session 2 only orders sent during this time: <ul style="list-style-type: none">will receive acknowledgement messages including a reason text Pending – Imbalance Freezecan offset a Core Open Auction imbalance but will not be displayed in			- Core MOO/LOO Cancellation Cutoff: 9:29 AM	- Core MOO/LOO Cancellation Cutoff: 9:29 AM	
					- Core Auction Imbalance	- Core Auction Imbalance	

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	<div>imbalance calculation<ul style="list-style-type: none">non-offsetting will be held in a freeze queue until the auction has finished running. Cancels sent for orders being held in the freeze queue will be processed after to the core open auctionoffset validation is performed against the most recently published imbalance calculation</div> <div>New Session 1/2 orders will be accepted at any time and can add to or flip an imbalance. Imbalance publication will reflect new Session 1/2 orders.</div> <div>- Closing Auction Imbalance Freeze – MOC and LOC Orders may not be canceled, cancel/replaced, or modified during this time.</div> <div>New MOC and LOC Orders that would add to, or would flip, the most recently published imbalance, will be rejected during this time.</div> <div>New MOC and LOC Orders that would offset the imbalance will be accepted on an individual order-by-order basis, if the order quantity is equal to or less than the size of the most recently published imbalance calculation.</div> <div>New orders eligible for continuous trading in Session 2 will be accepted at any time and can add to or flip an imbalance. Imbalance publication will reflect new Session 2 eligible orders.</div>	<div>- Core Trading Session: 9:30 AM - 4:00 PM (no Core Imbalance Freeze, no Core MOO/LOO Cancellation Cutoff)</div> <div>- MOC/LOC Order Entry & Cancellation Cutoff Time / Closing Auction Imbalance Freeze (only new imbalance offsetting MOC/LOC allowed as validated against the 3:50 PM regulatory imbalance calculation): 3:50 PM</div> <div>- D Order Entry & Cancellation Cutoff Time: 3:59:50 PM</div> <div>- Closing Auctions begin by DMM: 4:00 PM</div> <div>No Late Trading Session</div>	<div>- Core Trading Session: 9:30 AM – 4:00 PM (no Core Open Auction and no Imbalance Freeze)</div> <div>No Closing Auction</div> <div>No Late Trading Session</div>	<div>Freeze: 9:29:55 AM – 9:30 AM</div> <div>- Core Trading Session: 9:30 AM – 4:00 PM</div> <div>- Closing Auction Imbalance Freeze: 3:59 PM – 4:00 PM</div> <div>- Late Trading Session: 4:00 PM- 8:00 PM</div>	<div>Freeze: 9:29:55 AM – 9:30 AM</div> <div>- Core Trading Session: 9:30 AM – 4:00 PM</div> <div>- Closing Auction Imbalance Freeze: 3:50 PM – 4:00 PM</div> <div>- Late Trading Session: 4:00 PM- 8:00 PM</div>	<div>- Core Trading Session: 9:30 AM – 4:00 PM</div> <div>- Late Trading Session: 4:00 PM- 8:00 PM</div>
	<div>Max Quantity</div> <div>#Gateways</div> <div>#OrderHandling</div>	<div>5,000,000 shares</div> <div>- Auction Only Order types (MOO, LOO, MOC, LOC, Imbalance Offset for Close, Closing D Order, Opening D Order, DMM orders representing manual interest for open and close) - 25,000,000 shares</div> <div>- The 25,000,000 shares max quantity does not apply to IDO order</div>	<div>To Matching Engine - Standard Pillar</div>	<div>Standard Pillar</div>	<div>Standard Pillar</div>	<div>Standard Pillar</div> <div>Cross orders on Chicago - 25,000,000</div>

	NYSE Pillar Trading Platform																	
	Standard Pillar Feature/Behavior	NYSE - Tape A Symbols	NYSE - Tape B&C Symbols	NYSE Arca EQ	NYSE American EQ	NYSE National EQ/ Chicago EQ												
		- All other orders - Standard Pillar To Broker Systems - 99,000,000 shares	To Broker Systems - 99,000,000 shares															
Max Price #Gateways #OrderHandling #MarketData	<p>The systemic maximum price value supported for orders and trades is determined on a per symbol basis, adjusted nightly based on closing last sale.</p> <p>It is recommended that at the start of each trading day, firms refer to the price scale of each symbol as designated in the XDP Symbol Index Mapping Message.</p> <table><tr><td>Price Scale</td><td>Closing Last Sale Threshold</td><td>Max Price</td></tr><tr><td>6</td><td>< \$500.00</td><td>\$2,147.480000</td></tr><tr><td>4</td><td>>= \$500.00</td><td>\$214,748.3640</td></tr><tr><td>3</td><td>>= \$100,000.00</td><td>\$999,999.999</td></tr></table> <p>Note: Symbol Price Scale represented via XDP Symbol Index Mapping as described above is separate from the price format used by NYSE Pillar Binary Gateway, which is always implied with 8 decimals regardless of symbol.</p>	Price Scale	Closing Last Sale Threshold	Max Price	6	< \$500.00	\$2,147.480000	4	>= \$500.00	\$214,748.3640	3	>= \$100,000.00	\$999,999.999	Standard Pillar, except for orders routed to NYSE Floor Broker Systems: - Max price for securities with a price scale of 4 is \$9,999.99 - Max price for securities with a price scale of 3 is \$999,999.99	Standard Pillar, except for orders routed to NYSE Floor Broker Systems: - Max price for securities with a price scale of 4 is \$9,999.99 - Max price for securities with a price scale of 3 is \$999,999.99	Standard Pillar	Standard Pillar	Standard Pillar
Price Scale	Closing Last Sale Threshold	Max Price																
6	< \$500.00	\$2,147.480000																
4	>= \$500.00	\$214,748.3640																
3	>= \$100,000.00	\$999,999.999																
Market Order Collars #OrderHandling	<p>- Market Collars are calculated off the Consolidated Last Sale (applicable only during Core Trading Session)</p> <p>- The reference price for the price bucket is the Consolidated Last Sale</p> <p>- Market orders will trade/route up to (not including) the collars. The residual will be held blind one quoting MPV inside the collars</p>	Standard Pillar	Standard Pillar	Standard Pillar	Standard Pillar	Standard Pillar												
Limit Order Price Protection #OrderHandling	<p>- Limit Order Price Protection is calculated off of the NBBO. When NBBO is crossed, it is still used for Limit Order Price Protection.</p> <p>- The reference price for the price bucket is the Consolidated Last Sale</p> <p>- Limit Order Price Protection is applicable at all times, except when there is no NBBO in which case the check is not performed. Orders not eligible for the current session at the time of arrival will be evaluated against the Limit Order Price Protection prior to</p>	Standard Pillar, but in addition Limit Order Price Protection won't apply to the orders arriving before the opening and after the scheduled closing time. Limit orders arriving prior to the opening will not be re-evaluated for Limit Order Price	Standard Pillar	Standard Pillar	Standard Pillar	Standard Pillar												

	NYSE Pillar Trading Platform					
	Standard Pillar Feature/Behavior	NYSE - Tape A Symbols	NYSE - Tape B&C Symbols	NYSE Arca EQ	NYSE American EQ	NYSE National EQ/ Chicago EQ
	being eligible and placed on the book. - For primary symbols only - Limit Order Price Protection is not applicable for orders arriving during the halt. Limit orders arriving during the halt will not be re-evaluated for Limit Order Price Protection after the auction or if halt transitions into the close	Protection after the auction or if the stock transitions into the close without opening				
Working Price on Outgoing Messages #Gateways #OrderHandling	- Outgoing messages (acks, fills, UROUTs) receive Limit Price and Working Price in separate fields/tags - The working price for a Market Order is returned as 0 if the order is not live upon entry - A Market Order that is live upon entry will return either the contra-side NBBO, 1 MPV inside the contra-side trading collar, or the contra-side LULD band in the WorkingPrice field/tag	Standard Pillar	Standard Pillar	Standard Pillar	Standard Pillar	Standard Pillar
Symbol Auction Eligibility #Auctions	Re-opening auctions are not conducted for Non-Primary symbols. Symbol auction eligibility: Market-specific.	All NYSE listed (Tape A) primary symbols are Auction Eligible	All Tape B&C symbols are Non-Auction Eligible	Standard Pillar, and: - All NYSE Arca listed primary symbols are Auction Eligible - All non-primary symbols are Auction Eligible	Standard Pillar, and: - All NYSE American listed primary symbols are Auction Eligible - All non-primary symbols are Non-Auction Eligible	All symbols are Non-Auction Eligible
Auction Imbalance Publication Triggers, Times and Intervals (all times represented as Eastern) #Auctions #MarketData	Applicability and timing of the following are market-specific, but functionality is standard: Early Opening Auction – begins 30 minutes before Early Opening Auction; published every 1 second, if changed from previous second Core Opening Auction – publication begins 90 minutes before Core Opening Auction; published every 1 second, if changed from previous second, until the stock opens - Imbalances are published for IPOs and Direct Listings - After the stock opens, NO zero imbalance message is published Re-opening Auction – publication begins immediately with trading halt; published every 1 second, if changed from previous second	No Early Opening imbalances - Core Opening Auction: Standard Pillar - Re-opening Auction: Standard Pillar	All Tape B&C symbols are Non-Auction-Eligible	- Early Opening Auction: publication begins 3:30 AM - Core Opening Auction: Standard Pillar - Re-opening Auction: Standard Pillar	- Early Opening Auction: publication begins 6:30 AM - Core Opening Auction: Standard Pillar - Re-opening Auction: Standard Pillar	All symbols are Non-Auction-Eligible

NYSE Pillar Trading Platform						
Standard Pillar Feature/Behavior		NYSE - Tape A Symbols	NYSE - Tape B&C Symbols	NYSE Arca EQ	NYSE American EQ	NYSE National EQ/ Chicago EQ
	<ul style="list-style-type: none"> - Published during regulatory halt as well as during LULD or MWCB 1/2 halts - If the halt occurs prior to the initial opening of the stock, Pillar stops publication of Opening Imbalances and starts publication of Halt Imbalances. As soon as the stock is no longer halted, Pillar will resume with publication of Opening Imbalances until the stock opens - After the stock re-opens, NO zero imbalance message is published <p>Closing Auction – publication begins 60 minutes before Closing Auction; published every 1 second, if changed from previous second</p>	<p>- Closing Auction:</p> <ul style="list-style-type: none"> - 3:50 PM – regulatory imbalance, if imbalance is >= 500 round lots, - informational order imbalance publication begins at 3:50 PM to XDP and at 2:00 PM to brokers, and is published every 1 second, if changed from previous second, until the stock closes (to reflect changes including the re-pricing of ALO and non-routable orders and for verbal crowd interest) 		<p>- Closing Auction: Standard Pillar</p>	<p>- Closing Auction: Standard Pillar</p>	
	<ul style="list-style-type: none"> - After the stock closes, NO zero imbalance message is published 					
9	<p>Regulatory Imbalance Publication Time</p> <p>#Auctions</p> <p>#MarketData</p>	<p>Applicable to NYSE primary symbols only</p> <p>Regulatory Imbalance Publication Time is 3:50 PM</p> <p>In addition to the time of publication of Regulatory Imbalances, this time is used for:</p> <ul style="list-style-type: none"> - MOC/LOC cutoff time <p>Start time for publication of Informational Closing Imbalances</p>	N/A	N/A	N/A	N/A

		NYSE Pillar Trading Platform					
		Standard Pillar Feature/Behavior	NYSE - Tape A Symbols	NYSE - Tape B&C Symbols	NYSE Arca EQ	NYSE American EQ	NYSE National EQ/ Chicago EQ
10	Auction Collars #Auctions #MarketData	Market-specific	No auction collars; DMM selects opening/closing price	All Tape B&C symbols are Non-Auction-Eligible	Opening and Trading Halt Auction Collars are as follows based on Auction Reference Price Ranges below: \$0.00 - \$25.00 – 10% \$25.01 – \$50.00 – 5% \$50.01 and above – 3% Closing Auction Collar Percentages are as follows based on the Auction Reference Price Ranges below: \$0.00 - \$25.00 – 5% \$25.01 – \$50.00 – 2% \$50.01 and above – 1%	All Auction Collars are as follows: Greater of \$0.50 or 10% of the Auction Reference Price	All symbols are Non-Auction-Eligible
11	Opening & Closing Quote Conditions in SIP & XDP BBO #MarketData	All quotes, including the first and last of the day, are published with quote condition “R” to both SIP and XDP.	- Quote condition “O” is provided on the first quote of the day to SIP and XDP - NYSE BBO will be zeroed out at the scheduled closing time (4:00 PM)	Standard Pillar	Standard Pillar	Standard Pillar	Standard Pillar
12	Opening, Closing and Primary Only Orders - for Non-primary Symbols #OrderHandling #Auctions	- MOO, LOO, MOC, LOC Orders for non-primary symbols that are also non-auction eligible on the Pillar market will be routed directly to the primary market of the specified symbol - Primary Only orders are available for direct routing to the primary market of the specified symbol	N/A (Tape A is all NYSE primary listed symbols)	Standard Pillar - Opening and Closing D Orders for non-primary, non-auction eligible symbols will be routed to the primary listing market with Auction Only Order instructions - Primary Only orders are not available	Standard Pillar	Standard Pillar	Standard Pillar Note: all symbols are non-primary
13	Market Orders - for Non-primary symbols #OrderHandling #Auctions	- Market orders sent in non-primary securities before the primary market opening trade will be sent to the primary market as Market Day to participate in the opening trade. They will be sent to primary market until a trade occurs on the primary market or 10 am whichever comes sooner. - Market orders sent in non-primary securities during a halt	N/A (Tape A is all NYSE primary listed symbols)	Standard Pillar	Standard Pillar	Standard Pillar	Standard Pillar

	NYSE Pillar Trading Platform					
	Standard Pillar Feature/Behavior	NYSE - Tape A Symbols	NYSE - Tape B&C Symbols	NYSE Arca EQ	NYSE American EQ	NYSE National EQ/ Chicago EQ
	symbol phase will be sent to the primary as Market Day for primary re-opening					
Add Liquidity Only (ALO) Order #Gateways #OrderHandling	<p>- Reserve Quantity is not supported</p> <p>- An ALO Order that crosses any interest (displayed or non-displayed), excluding MPL and RPI, and can receive price improvement will execute and be billed as a taker</p> <p>- If an ALO Order would lock displayed interest at the PBBO, it will be assigned a working price and display price 1 MPV worse than the locking price. If an ALO Order would lock non-displayed interest at the PBBO, it will be assigned a working price at the contra-side PBBO and a display price 1 MPV worse than the locking price. If an ALO Order would lock the PBBO with no local displayed interest at that price, it will be assigned a working price at the contra-side PBBO and a display price 1 MPV worse than the locking price. If an ALO Order would lock non-displayed interest priced better than the PBBO, it will be assigned a working price and display price at the locking price. Once resting, a buy (sell) ALO will be repriced as described above if displayed orders to sell (buy) or the PBO (PBB) reprice higher (lower). If the PBO (PBB) updates to lock/cross the display price of the buy (sell) ALO, the working price would adjust to be equal to the display price if necessary, consistent with the behavior for a Non-Routable Limit Order</p> <p>A resting Non-routable Limit Order or Non-Displayed Limit Order designated with a Non-Display Remove Modifier will trade as the liquidity taker against an arriving ALO order that locks the undisplayed price of the resting order</p> <p>- ALO Orders that cross only away market quotes will display one MPV worse than the contra-side interest but have a working price equal to the contra-side PBBO</p>	Standard Pillar, but Non-Display Remove functionality is not available	Standard Pillar, but Non-Display Remove functionality is not available	Standard Pillar	Standard Pillar	Standard Pillar
Reserve Order #Gateways #OrderHandling	<p>Reserve order may only be entered with Publish Quantity (MaxFloor/ResPubQty) = a multiple of the symbol’s round lot parameter. Mixed lots are rejected.</p> <p>Reserve order will be replenished only when the displayed quantity goes below a round lot, in which case it will be</p>	Standard Pillar	Standard Pillar	Standard Pillar	Standard Pillar	Standard Pillar

NYSE Pillar Trading Platform						
Standard Pillar Feature/Behavior		NYSE - Tape A Symbols	NYSE - Tape B&C Symbols	NYSE Arca EQ	NYSE American EQ	NYSE National EQ/ Chicago EQ
	<p>replenished for the lower of the published quantity or the full quantity of the order</p> <p>Every replenishment is treated as a new order for evaluation of routing</p> <p>Only displayed portion of a Reserve order stands its ground when crossed by an away quote. The reserve portion of the reserve order behaves as Limit Non-Displayed order (i.e. it will reprice to the crossing away quote).</p>					
16	Day ISO and Day ISO ALO Orders #Gateways #OrderHandling	<p>- Reserve Quantity is not supported</p> <p>- ISO Order types (Day ISO, Day ISO ALO) will sweep to the contra side band and cancel if priced through LULD band on entry and will be cancelled if priced through contra side LULD band while resting as result of a LULD Band Update</p> <p>- Upon receipt and displaying of a Day ISO, the PBBO will be adjusted to exclude any contra-side protected quotations that are priced equal to or better than the Day ISO limit price</p>	Standard Pillar	Standard Pillar	Standard Pillar	Standard Pillar
17	Non-Routable Limit Order #OrderHandling	<p>- Pillar offers a Non-Routable Limit Order, which when locking/crossing away markets will display one MPV worse than the contra-side PBBO but have a working price equal to the contra-side PBBO</p> <p>- A resting Non-routable Limit Order designated with a Non-Display Remove Modifier will trade as the liquidity taker against an arriving ALO order that locks the undisplayed price of the resting order</p>	Standard Pillar Behavior, but Non-Display Remove functionality is not available	Standard Pillar Behavior, but Non-Display Remove functionality is not available	Standard Pillar	Standard Pillar
18	Non-Displayed Limit Order #OrderHandling	<p>- Non-Displayed Limit order is rejected if it arrives pre-open and during a halt</p> <p>- Non-Displayed Limit order is not routable</p> <p>- A resting Non-Displayed Limit Order designated with a Non-Display Remove Modifier will trade as the liquidity taker against an arriving ALO order that locks the undisplayed price of the resting order</p>	Standard Pillar Behavior, but Non-Display Remove functionality is not available	Standard Pillar Behavior, but Non-Display Remove functionality is not available	Standard Pillar	Standard Pillar
19	MPL Order	Order Handling:	Order Handling - Standard	Order Handling - Standard	Standard Pillar	Standard Pillar

NYSE Pillar Trading Platform						
Standard Pillar Feature/Behavior		NYSE - Tape A Symbols	NYSE - Tape B&C Symbols	NYSE Arca EQ	NYSE American EQ	NYSE National EQ/ Chicago EQ
#Gateways #OrderHandling	<ul style="list-style-type: none"> - MPL IOC order must be entered with OrderQty of at least one round lot. - MPL order will peg to the mid-point of the PBBO, except during Sell Short Restriction, when they peg to the mid-point of the NBBO - MPL order can sweep up to the mid-point on arrival and when executed as an aggressing order once resting - MPL order will trade even if the mid-point is below a dollar - Resting MPL Day orders with Minimum Trade Size (MinQty), both with and without Minimum Fill instruction, are sequenced together with any other non-displayed interest - MPL order can have Non-Display Remove Modifier - Limit Orders can include a designation of “No Midpoint Execution Modifier” and will not trade on arrival with MPL Orders. 	Pillar, except: <ul style="list-style-type: none"> - Resting MPL Day orders with Minimum Trade Size (MinQty) or Minimum Fill will not trade on parity. They will be sequenced after all displayed and non-displayed interest, in the order of increasing MinQty. - Non-Display Remove functionality is not available on NYSE - Limit Orders cannot be designated with a “No Midpoint Execution Modifier.” 	Pillar, except: <ul style="list-style-type: none"> - Resting MPL Day orders with Minimum Trade Size (MinQty) or Minimum Fill will not trade on parity. They will be sequenced after all displayed and non-displayed interest, in the order of increasing MinQty. - Non-Display Remove functionality is not available on NYSE - Limit Orders cannot be designated with a “No Midpoint Execution Modifier.” 			
20 Primary Pegged/ Non-Displayed Primary Pegged Order #OrderHandling #Auctions	<ul style="list-style-type: none"> - Primary Pegged Orders peg to the same-side PBBO, except during SSR, when they peg to the NBBO - Primary Pegged Order never routes to away markets - On arrival, if there is no same-side PBBO, Primary Pegged Order is rejected - Odd lot Primary Pegged Orders are rejected - Primary Pegged orders cannot have ALO modifier. Such combination will be rejected - Primary Pegged orders have only one price - limit price. It 	Standard Pillar	Standard Pillar	Standard Pillar, but Non-Displayed Pegged Orders are not available	Standard Pillar, but Primary Pegged Orders are not available.	Standard Pillar, but Non-Displayed Pegged Orders are not available

NYSE Pillar Trading Platform						
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	<p>defines the highest/lowest price the buy/sell pegging order will peg</p> <ul style="list-style-type: none"> - Min peg to functionality is not offered - When PBBO is locked/crossed, newly arriving Primary Pegged Orders will be rejected. Resting Primary Pegged orders will remain at the last pegged price before the locked/crossed PBBO and be eligible for execution - When PBBO is locked/crossed, both newly arriving and resting Non-Displayed Primary Pegged Orders will be accepted, but held not eligible to trade - Primary Pegged orders are not eligible for participation in the Closing Auction on primary symbols 					
21	<p>Minimum Trade Size and Minimum Fill</p> <p>#Gateways</p> <p>#OrderHandling</p> <p>- Minimum Trade Size (MinQty) can be entered on the following order types, with or without an optional "Minimum Fill" instruction.</p> <ul style="list-style-type: none"> - MPL IOC - MPL Day - MPL ALO - adding support for Min Fill, in addition to existing support for Min Trade Size - Discretionary Peg Order - Limit IOC - adding support for Min Fill, in addition to existing support for Min Trade Size - Non-Displayed Primary Peg - adding support for both Min Trade Size and Min Fill (both previously available only on NYSE American) - Non-Displayed Limit - adding support for both Min Trade Size and Min Fill <p>It cannot be entered on Routable IOC, ISO IOC and Trade-at ISO orders.</p> <ul style="list-style-type: none"> - Non-Routable Limit, MOO, LOO, and Market Day orders do not support MinQty designation. If entered, they will be rejected. - The value specified for Minimum Trade Size or Minimum Fill (both represented via the MinQty field) must be at least one round lot and less than or equal to the OrderQty (or zero) 	Standard Pillar, but Discretionary Peg Order is not available	Standard Pillar, but Discretionary Peg Order is not available	Standard Pillar, but Non-Displayed Primary Peg Order are not available	Standard Pillar	Standard Pillar, but Discretionary Peg Order and Non-Displayed Primary Peg Order are not available

		NYSE Pillar Trading Platform				
		NYSE - Tape A Symbols	NYSE - Tape B&C Symbols	NYSE Arca EQ	NYSE American EQ	NYSE National EQ/ Chicago EQ
Standard Pillar Feature/Behavior						
	<p>- On arrival, an order with MinQty and Min Fill will trade only against individual resting contra-side orders that each satisfy the MinQty. On arrival, an order with MinQty that does not have this modifier will trade with contra-side orders that in aggregate or individually satisfy the MinQty</p> <p>- Once resting, an order with MinQty will continue to be evaluated against individual arriving contra-side orders, regardless of adding the Min Fill modifier</p> <p>- Once resting, when the value specified for Minimum Trade Size or Minimum Fill (both represented via the MinQty field) is greater than the leaves quantity of the order, the balance of the order will be cancelled.</p>					
22	Setter Priority Acknowledgement #General #OrderHandling	Standard Pillar	Standard Pillar	Standard Pillar	Standard Pillar	Standard Pillar
23	Setter Priority Allocation #General	Standard Pillar	Standard Pillar	N/A	N/A	N/A
24	Parity #General	Supported for all symbols	Supported for all symbols	N/A	N/A	N/A
25	Self-Trade Prevention #General #OrderHandling	Standard Pillar	Standard Pillar	Standard Pillar, applicable only for price-time allocation D-Orders are not available	Standard Pillar, applicable only for price-time allocation D-Orders are not available	Standard Pillar, applicable only for price-time allocation D-Orders are not available

NYSE Pillar Trading Platform					
Standard Pillar Feature/Behavior		NYSE - Tape A Symbols	NYSE - Tape B&C Symbols	NYSE Arca EQ	NYSE American EQ NYSE National EQ/ Chicago EQ
<p>- <u>When incoming interest is STPO</u> - If a resting matching STP order is in a priority category that allocates orders on price-time priority, the resting matching STP order will be cancelled, and the incoming STPO order will remain on the book. If a resting matching STP order is in a priority category that allocates orders on parity, all resting matching STP orders in that priority category that would have been considered for an allocation will not be eligible for a parity allocation and will be cancelled. The incoming STPO order will be eligible to trade on parity with orders in that priority category that do not have a matching STP modifier. Resting orders in that priority category with an STP modifier from the same Client ID that would not have been eligible for a parity allocation will remain on the book.</p> <p>- <u>When incoming interest is STPC</u> - If a resting matching STP order is in a priority category that allocates orders on price-time priority, both the incoming order and the resting order marked with one of the STP modifiers will be cancelled. If a resting matching STP order is in a priority category that allocates orders on parity, none of the orders eligible for a parity allocation in that priority category will receive an allocation and both the incoming order and the first resting order in that priority category marked with one of the STP modifiers will be cancelled.</p> <p>- <u>When incoming interest is STPD</u> - If a resting matching STP order is in a priority category that allocates orders on price-time priority, both the incoming order and the resting order marked with one of the STP modifiers will be cancelled by the size of the smaller order. If a resting matching STP order is in a priority category that allocates orders on parity, both the portion of a resting order that would receive an allocation and the portion of the incoming order that would be allocated to that resting order will be cancelled.</p> <p>- A resting D Order designated with an STP modifier that is triggered to exercise discretion and is not an Aggressing Order will not trade at a discretionary price if there is a matching STP order on the contra-side. In such case, the D Order will not be cancelled.</p>					

		NYSE Pillar Trading Platform					
		Standard Pillar Feature/Behavior	NYSE - Tape A Symbols	NYSE - Tape B&C Symbols	NYSE Arca EQ	NYSE American EQ	NYSE National EQ/ Chicago EQ
26	LULD Re-pricing #OrderHandling	<ul style="list-style-type: none">- Any quantity of Market Orders, Limit IOC, and Day ISO Orders that cannot be executed at or within the Price Bands will be cancelled- Default behavior for Limit Orders is that they will be re-priced to the LULD Price bands and receive a new effective sequence- Option to cancel instead of re-pricing Limit Orders and MPL Orders	Standard Pillar, but the option to cancel instead of re-price is not available	Standard Pillar, but the option to cancel instead of re-price is not available	Standard Pillar	Standard Pillar	Standard Pillar
27	Order Handling when Attempting to Quote through an Away Market #OrderHandling	<p>The orders that are locking/crossing away quote on arrival are routed to/repriced off of the away quote</p> <p>Once resting, if away quote locks/crosses the display price of an order, an order stands its ground</p> <p>When current BB(BO) is crossed by an Away Market PBO(PBB) and the current BB(BO) executes or cancels, displayed orders stand their ground even if the next price point would cause a publication of the quote which would still be locking or crossing the away quote</p> <p>When quoting after the auction that doesn't have continuous trading prior to it (NYSE openings, halts on every market), if the first quote would lock/cross away quotes:</p> <ul style="list-style-type: none">- Routable orders will route- If there are still away quotes that were not satisfied after all routable orders routed, non-routable orders will cancel	Standard Pillar	Standard Pillar	Standard Pillar	Standard Pillar	Standard Pillar
28	Odd Lot Handling #MarketData #OrderHandling	<ul style="list-style-type: none">- Odd lots at multiple price levels that can add up to at least one round lot and establish a new Best Bid/Offer, are aggregated down/up to the most aggressive price and quoted to SIP- Resting Odd Lot displayed orders can only be routed to away markets when designated Proactive if Locked. Resting buy(sell) Odd Lot displayed orders stand their ground if locked or crossed by an away market PBO (PBB) in the same manner as round lot orders	Standard Pillar, but Proactive if Locked is not available	Standard Pillar, but Proactive if Locked is not available	Standard Pillar	Standard Pillar	Standard Pillar

		NYSE Pillar Trading Platform					
		Standard Pillar Feature/Behavior	NYSE - Tape A Symbols	NYSE - Tape B&C Symbols	NYSE Arca EQ	NYSE American EQ	NYSE National EQ/ Chicago EQ
29	Partially Routed Order with Quantity Returned Unexecuted from Away Market #MarketData #OrderHandling	When interest is returned unexecuted from the away market, the resting quantity of this order will be increased by the returned unexecuted quantity, and the order keeps its most recent effective sequence. The order also keeps its original OrderID. A Modify message will be sent to XDP Integrated Feed when the resting quantity of the order is increased by the returned unexecuted quantity from the away market	Standard Pillar	Standard Pillar	Standard Pillar	Standard Pillar	Standard Pillar
30	Credit Limits on Non-NMS Routing #OrderHandling	Credit limits are configured per MPID and calculated only for: <ul style="list-style-type: none"> - Primary Only orders - MOO/LOO/MOC/LOC orders for non-primary, non-auction eligible symbols routed to primary market - Market Day orders for non-primary, non-auction eligible symbols routed to primary market before open or during the halt 	N/A	Standard Pillar	Standard Pillar	Standard Pillar	Standard Pillar
31	Retail Liquidity Program #General #OrderHandling	Market-specific	Supports Retail Liquidity Program	None	Supports Retail Liquidity Program	None	None
32	Retail Taker and RPI Order Behavior #General #Gateways #OrderHandling	The following Retail Taker orders are supported: <ul style="list-style-type: none"> - Retail Taker Type 1 IOC Order - Retail Taker Type 2 IOC Order - Retail Taker Type 2 Limit Order - Retail Taker Type 2 Market Order The following RPI orders are supported: <ul style="list-style-type: none"> - RPI order, which can be entered with and without offset - MPL RPI - RPI orders are ranked as non-displayed priority 3 orders and will be allocated based on the market. For price-time market, they will be allocated together with all other non-displayed interest and displayable odd lot interest according to price and time. For parity market, they will be allocated on parity. - RPI interest is executed at the price where it's ranked and therefore, Retail Taker order can be executed at multiple price points whether there is RPI interest at that price point or not as long as it's inside the PBBO	Standard Pillar, except for the following order types, if entered, will be rejected: <ul style="list-style-type: none"> - Retail Taker Type 2 IOC Order - Retail Taker Type 2 Limit Order - Retail Taker Type 2 Market Order - MPL RPI 	N/A	Standard Pillar, except 'RPI order with an offset' which is not supported	N/A	N/A

	NYSE Pillar Trading Platform						
	Standard Pillar Feature/Behavior	NYSE - Tape A Symbols	NYSE - Tape B&C Symbols	NYSE Arca EQ	NYSE American EQ	NYSE National EQ/ Chicago EQ	
	- RPI and Retail Taker orders with sub-dollar limit prices are rejected						
Retail Billing Designation (RET) on Orders from Retail Member Organizations #General #Gateways	Supports Retail designation (TargetSubID/FIX-57 = RET) on orders	Standard Pillar	Standard Pillar	Standard Pillar	Standard Pillar	Standard Pillar for National None for Chicago	
Market Making #General	Market specific	DMM - required for all primary symbols SLP SLMM MM	SLP SLMM MM	LMM - not required for all primary symbols MM	eDMM required for all primary symbols MM	MM on National No MM programs on Chicago	
Cancel and Cancel-Replace Handling/ Elimination of Cancel Request to Reduce OrderQty #Gateways #OrderHandling	<p>- To reduce the OrderQty on an open order, the Modify Request message is used in the Pillar Gateway Binary Protocol, and the Cancel/Replace Request message is used in the Pillar Gateway FIX protocol. Side can also be changed between Sell/Sell Short/Sell Short Exempt using the same method. The order maintains its effective sequence and existing OrderID</p> <p>- For changes other than those listed above, Cancel-Replace gets a new effective sequence and new OrderID</p> <p>- A Modify or Cancel/Replace Request to reduce quantity with a specified OrderQty less than the executed quantity of that order – will get a “Replaced” response with LeavesQty = 0</p> <p>- A Modify or Cancel/Replace Request to change the quantity of an order in a pending state when the request comes in, and that is fully executed or cancelled before the quantity change can be applied – will receive a Pending Cancel Ack followed by a Cancel Reject message</p> <p>- If a Cancel Request or Cancel-Replace Request is rejected, the OrdStatus on the Cancel/Cancel-Replace Reject message will always be set to "Rejected"</p>	Standard Pillar	Standard Pillar	Standard Pillar	Standard Pillar	Standard Pillar	
Pending Cancel Acknowledgements	- An order will receive multiple pending Acks in the following scenarios:	Standard Pillar	Standard Pillar	Standard Pillar	Standard Pillar	Standard Pillar	

NYSE Pillar Trading Platform						
Standard Pillar Feature/Behavior		NYSE - Tape A Symbols	NYSE - Tape B&C Symbols	NYSE Arca EQ	NYSE American EQ	NYSE National EQ/ Chicago EQ
37	#Gateways #OrderHandling	<p>The firm attempts to cancel or cancel/replace an order during a Trading Session transition, and then the order routes to an away market immediately after the transition</p> <p>The firm attempts to cancel or cancel/replace an order while an auction is running, and then the order routes to an away market immediately after the auction</p> <p>- Pending Cancel Acks for Cancel/Replace are sent with the attributes of the new (replacement) order</p>				
	Cancel-Replace Reject Logic #OrderHandling	<p>If the Cancel-replace Request gets rejected specifically due to market conditions by the matching engine, the message is rejected, and the original order will be cancelled from the Order Book.</p> <p>The original order will not be cancelled for:</p> <ul style="list-style-type: none"> - For non-NYSE symbols: an auction only order type during the imbalance freeze - A Primary Only MOC/LOC order in a NYSE- listed security when the Cancel-replace Request is submitted after 3:50 PM 	<p>Standard Pillar</p> <p>In addition, for Tape A only, the original order will not be cancelled for:</p> <ul style="list-style-type: none"> - Cancel/replace submitted for MOC, LOC or IO Order after the 3:50 PM - Cancel/replace submitted for any D Order (including Closing D Order and Opening D Order) after 3:59:50 PM - Cancel/replace submitted after 4:00 PM - Cancel/replace submitted during Extreme Order Imbalance - Cancel/replace submitted for an IDO order 	Standard Pillar	Standard Pillar	Standard Pillar

		NYSE Pillar Trading Platform					
		Standard Pillar Feature/Behavior	NYSE - Tape A Symbols	NYSE - Tape B&C Symbols	NYSE Arca EQ	NYSE American EQ	NYSE National EQ/ Chicago EQ
38	Last Sale Peg order #OrderHandling	Supported on NYSE only - Last Sale Peg order is always non-routable - Last Sale Peg order is NOT auction eligible - Resting Last Sale Peg orders are cancelled at the time of the halt. Last Sale Peg orders arriving during the halt are rejected - Last Sale Peg orders are filed off of the most recent of the: <ul style="list-style-type: none"> - Price of the last sale eligible NYSE Pillar trade - Consolidated last sale received from the SIP that is last sale eligible and is not NYSE round trip sale 	Standard Pillar In addition, since Last Sale Peg orders are not auction eligible: <ul style="list-style-type: none"> - Last Sale Peg orders will be rejected prior to the opening of the stock - Resting Last Sale Peg orders will be cancelled at the scheduled closing time (4:00 PM) or at 3:50 PM if the stock transitions to the closing auction 	Standard Pillar	N/A	N/A	N/A
39	Sell Short Market Orders #OrderHandling	When SSR is in effect or once it's activated: <ul style="list-style-type: none"> - During continuous trading in Core Session, arriving and resting Sell Short Market orders will be treated as displayed orders limited at the higher of SSR filing price or 1 mpv above the lower market collar (they're sent to XDP in Add messages, they are allocated like any other displayed interest, they will be quoted to SIP etc.). During continuous trading in Early Session Sell Short Market orders will continue to not be displayed - When there is no continuous trading, arriving and resting Sell Short Market and Sell Short MOO orders will be treated as displayed orders limited at the SSR filing price 	Standard Pillar	Standard Pillar	Standard Pillar	Standard Pillar	Standard Pillar
40	Discretionary Order (D Order) #OrderHandling #Auctions	This order type is supported on NYSE only D Orders (Limit Price D Orders and Midpoint Price D Orders) are pegging Broker orders with discretionary instruction as to the price in which the order may trade during continuous trade and the auctions - One price is provided on the orders - limit price. It defines the highest/lowest price the buy/sell D Orders will peg or may trade with discretion. - D Orders are only pegging orders that peg to the same-side PBBO, except during SSR, when they peg to the NBBO	D Orders - Standard Pillar - For Midpoint D Order - will take the NYSE Floor Broker d-Quote prices (limit price and discretionary range) and convert them into Pillar's D Order limit price. For a Pillar buy (sell) Midpoint D Order, the limit price will be the limit price of the NYSE Floor Broker d-Quote plus (minus) the discretionary range.	D Orders - Standard Pillar - For Midpoint D Order - will take the NYSE Floor Broker d-Quote prices (limit price and discretionary range) and convert them into Pillar's D Order limit price. For a Pillar buy (sell) Midpoint D Order, the limit price will be the limit price of the NYSE Floor Broker d-Quote plus (minus) the discretionary range.	N/A	N/A	N/A

	NYSE Pillar Trading Platform					
	Standard Pillar Feature/Behavior	NYSE - Tape A Symbols	NYSE - Tape B&C Symbols	NYSE Arca EQ	NYSE American EQ	NYSE National EQ/ Chicago EQ
	<div>- Can be routable and non-routable</div> <div>- Must be displayed and can be reserve</div> <div>- Only eligible to trade in the core session and are auction eligible</div> <div>- Behave like limit orders on arrival, which can execute and/or route up to their limit price (Limit Price D Orders). They will also have an option to only execute up to the midpoint on arrival (Midpoint Price D Orders)</div> <div>- Once resting, buy (sell) D Orders at the PBB (PBO) can only execute discretion up to the midpoint. If the arriving sell (buy) order is priced above (below) the PBB (PBO) and at-or-below (above) the midpoint, executions against the buy (sell) D Orders will happen at the price of the arriving sell (buy) order. If the arriving sell (buy) order is also priced at or through contra side resting interest, the buy (sell) D Orders will exercising discretion 1 mpv above (below) the highest (lowest) interest (displayed or non-displayed) within the PBBO, capped by the midpoint</div> <div>- D Orders participate in the auctions at their limit price</div> <div>- When exercising discretion, at each price point, the D Orders will be allocated after all displayed (e.g. odd-lots) and non-displayed interest, except for g-Orders</div> <div>- When PBBO is locked/crossed, newly arriving D Orders will be rejected. Resting D Orders will remain at the last pegged price before the locked/crossed and will be eligible for execution but can't exercise discretion</div> <div>- During a trading halt, for primary securities, resting and new D Orders will be price (or re-price) to its limit price. For non primary securities, resting D Orders will be held at their latest working price and new D Orders will be rejected.</div> <div>Opening D Orders</div> <div>- Opening D Order can only trade in the opening and/or re-opening auction, and it will be included at its discretionary price</div>	<div>- For Limit D Order - will take the NYSE Floor Broker d-Quote floor/ceiling price and convert it into Pillar's D Order limit price. For a Pillar buy (sell) Limit D Order, the limit price will be the ceiling (floor) price.</div> <div>Opening D Orders - Standard Pillar</div>	<div>- For Limit D Order - will take the NYSE Floor Broker d-Quote floor/ceiling price and convert it into Pillar's D Order limit price. For a Pillar buy (sell) Limit D Order, the limit price will be the ceiling (floor) price.</div> <div>Opening D Orders</div> <div>- Opening D Orders will route to primary market as MOO or LOO</div>			

NYSE Pillar Trading Platform						
Standard Pillar Feature/Behavior		NYSE - Tape A Symbols	NYSE - Tape B&C Symbols	NYSE Arca EQ	NYSE American EQ	NYSE National EQ/ Chicago EQ
	<p>- If reserve Opening D Order is entered, it will be rejected</p> <p>Closing D Orders</p> <p>- Closing D Order can trade at the discretionary price only in the closing auction. It will be trading at its limit price during the day or in any other auction (opening or re-opening)</p> <p>- Closing D Order is routable and displayed order. If reserve Closing D Order is entered, it will be rejected.</p> <p>- Closing D Orders can be entered with yielding modifier, which will behave exactly like Closing D Order, but any time it's executed (either intraday at its limit price or in the closing auction at its discretionary price), it will yield to all other interest and will be executed in time sequence with other yielding orders</p>	<p>Closing D Orders - Standard Pillar</p>	<p>Closing D Orders</p> <p>- Closing D Order will route to primary market as MOC or LOC</p> <p>- If yielding modifier is entered on Closing D Order, such order will be rejected</p>			
41	<p>Pre-Auction Freeze Processing</p> <p>#Gateways #OrderHandling #Auctions</p>	<p>Pre-Auction Freeze applies to NYSE primary symbols only</p>	<p>Pillar will freeze the stock (same as UTP) in order to allow DMM to facilitate the opening/re-opening/closing of the stock.</p> <p>Orders arriving during this time will get acknowledged immediately with 'R175: Pending - Pending Auction State'</p> <p>Cancels, mods and cancel/replaces arriving during the freeze for the orders that were entered prior to freeze, will get acknowledged immediately with 'R176: Pending Cancel - Pending Auction State', 'R177: Pending Modify - Pending Auction State' and 'R178: Pending Replace - Pending Auction State' correspondingly</p>	N/A	N/A	N/A

		NYSE Pillar Trading Platform					
		Standard Pillar Feature/Behavior	NYSE - Tape A Symbols	NYSE - Tape B&C Symbols	NYSE Arca EQ	NYSE American EQ	NYSE National EQ/ Chicago EQ
42	Order Acceptance Prior to the Opening #Gateways #OrderHandling	For primary and non-primary symbols, the following orders entered prior to the beginning of the first trading session that occurs on the given market, will be rejected: <ul style="list-style-type: none"> - Non-displayed limits - MPL - RPI - Broker Cross 	Standard Pillar In addition, for Tape A symbols only, Last Sale Peg orders will be rejected prior to the opening	Standard Pillar	Standard Pillar	Standard Pillar	Standard Pillar
43	Order Behavior during Halt #MarketData #OrderHandling #Auctions	For primary and non-primary symbols , the following resting orders are cancelled at the time of the halt and the newly arriving ones are rejected during the halt: <ul style="list-style-type: none"> - Non-displayed limits - Non-displayed Primary Peg - Discretionary Peg Order - Market Pegs - MPL - RPI - Tracking - Last Sale Peg - Broker Cross For primary symbols only: <ul style="list-style-type: none"> - Resting Market orders are not cancelled - Resting orders with the limit price will be re-priced to their limit price at the time of the halt. If SSR is in effect, resting Sell Short orders will be re-priced to the higher of their limit price or SSR filing price. The re-pricing will be reflected on XDP - Orders arriving during the halt will get ranked (and displayed to XDP for their display quantity) at their limit price (during SSR sell shorts will be ranked at the higher of their limit price or SSR filing price) - If SSR is activated during the halt, Sell Short orders won't stand ground and will be re-priced to the higher of their limit price or SSR filing price 	Standard Pillar	Standard Pillar	Standard Pillar	Standard Pillar	Standard Pillar
44	Halt Overlapping the Close #MarketData #OrderHandling #Auctions	The stock will not re-open and will transition into a closing auction when: <ul style="list-style-type: none"> - For all markets: the stock is halted by LULD or MWCB 1/2 halt within 10 minutes to the scheduled closing time, or - For non-NYSE markets: the stock is in Regulatory Halt and an initial re-opening time is within 10 minutes to the scheduled closing time, or 	Standard Pillar	N/A	Standard Pillar	Standard Pillar	N/A

	NYSE Pillar Trading Platform					
	Standard Pillar Feature/Behavior	NYSE - Tape A Symbols	NYSE - Tape B&C Symbols	NYSE Arca EQ	NYSE American EQ	NYSE National EQ/ Chicago EQ
	<ul style="list-style-type: none">- For NYSE market: the stock is in Regulatory Halt within 10 minutes to the scheduled closing time <p>At this time:</p> <ul style="list-style-type: none">- The following orders are cancelled and newly arriving ones will be rejected:<ul style="list-style-type: none">- MOO- LOO (including Opening D Orders)- Imbalance Offset (for re-open)- Primary Pegs- Pillar will stop the publication of Re-opening imbalances and will start the publication of the Closing Imbalances					
Behavior at scheduled closing time (4:00 PM) #MarketData #OrderHandling #Auctions	<ul style="list-style-type: none">- Quote is updated based on the session eligibility of orders <					

		NYSE Pillar Trading Platform					
		Standard Pillar Feature/Behavior	NYSE - Tape A Symbols	NYSE - Tape B&C Symbols	NYSE Arca EQ	NYSE American EQ	NYSE National EQ/ Chicago EQ
46	Extreme Order Imbalance Processing after 4:00pm #MarketData #OrderHandling #Auctions	<p>Extreme Order Imbalance Processing applies to NYSE primary symbols only</p> <p>When the Extreme Order Imbalance process is activated, the following are enforced:</p> <ul style="list-style-type: none">- Only offsetting straight limit orders are permitted- If there is a buy (sell) Extreme Order Imbalance, only sell (buy) order will a limit price at or higher (lower) than the reference price is permitted- All cancels and cancel/replace are rejected <p>Pillar will stop publication of the Informational Closing Imbalance and will start publication of the new imbalance (Auction Type = ‘P’ for Extreme Order Imbalance). The new imbalance consists, at a minimum, the following:</p> <ul style="list-style-type: none">- Reference Price -> NYSE Last Sale- Side of Imbalance -> the side with the greater better-priced shares at the Reference Price where it cannot be fully paired by marketable interest (both at-priced and better-priced shares on the contra side)- Total Imbalance Quantity -> is calculated as the quantity of better-priced shares on the side of the imbalance that cannot be paired with both at-priced and better-priced shares on the contra side at the Reference Price	Standard Pillar	N/A	N/A	N/A	N/A
47	Imbalances Calculation - General #MarketData #Auctions	<ul style="list-style-type: none">- Imbalances are calculated off of the Indicative Match Price- Indicative Match Price is calculated as the price (within auction collars) at which the maximum volume is executable at the time of the auction.- Imbalances are calculated as net imbalance of all orders (at and better priced) at the Indicative Match Price	<ul style="list-style-type: none">- Imbalances are calculated off of the Reference Price- Indicative Match Price is not calculated- Imbalances are calculated as the quantity of better-priced buy (sell) shares that cannot be paired with both at-priced and better-priced sell (buy) shares	N/A	Standard Pillar	Standard Pillar	N/A

	NYSE Pillar Trading Platform					
	Standard Pillar Feature/Behavior	NYSE - Tape A Symbols	NYSE - Tape B&C Symbols	NYSE Arca EQ	NYSE American EQ	NYSE National EQ/ Chicago EQ
		at the reference price				
Imbalances Calculation - Reference Price #MarketData #Auctions	Opening/Re-opening Imbalances - For core: mid-point of a valid auction NBBO, or the previous day's official closing price in the even that the auction NBBO is invalid - For re-opening after LULD halt: LU or LD that triggered the halt - For re-opening after MWCB, reg halt, or non-reg halt with an auction: consolidated last sale prior to the halt, or prior day official closing price Closing Imbalances Consolidated last sale prior to the auction, or the previous day's closing price	Opening / Re-opening Imbalances Reference price is set to: - Consolidated Last Sale of or previous day's official closing price - if no indication was published, or if it's at or between the indication prices - Bid Price from indication - if consolidated last sale (or previous day's official closing price) is below it - Offer Price from indication - if consolidated last sale (or previous day's official closing price) is above it Closing Imbalances Reference price is set to: - NYSE Last Sale - if it's at or between the current published NY best quote - Bid Price - if NYSE last sale is below it - Offer Price - if NYSE last sale is above it	N/A	Standard Pillar	Standard Pillar	N/A

		NYSE Pillar Trading Platform					
		Standard Pillar Feature/Behavior	NYSE - Tape A Symbols	NYSE - Tape B&C Symbols	NYSE Arca EQ	NYSE American EQ	NYSE National EQ/ Chicago EQ
49	Imbalances - Interest Included in Calculations of Imbalance and Paired Quantities #MarketData #Auctions	Opening and Re-Opening Imbalances: - All interest eligible to participate in the auction is <u>included in calculations</u> : - For Core Opening auction reserve portions of reserve orders are only included after core imbalance freeze - For IPO and re-opening auctions, reserve portions of reserve orders are always included - Not included in calculations: - MKT and Limit orders entered after the imbalance freeze - Reserve portions of reserve orders until core imbalance freeze (see above for details) - Orders that are received during Imbalance Freeze - Imbalance Offset (IO) orders Closing Imbalances: - All interest eligible to trade in the auction is <u>included in calculations</u> : - Reserve portions of reserve orders are excluded until closing imbalance freeze - Not included in calculations: - Reserve portions of reserve orders until closing imbalance freeze - Primary Pegs	Opening and Re-Opening Imbalances: - All interest eligible to participate in the auction, including reserve orders - The same imbalance calculation applies to IPOs and Direct Listings Regulatory Closing Imbalances: - MOC and LOC orders Informational Closing Imbalances: - MOC, LOC, Imbalance Offset, d-Quotes intended for the close (starting at 3:55PM)	N/A	Standard Pillar	Standard Pillar	N/A
50	Imbalance Calculation - Continuous Book Clearing Price #MarketData #Auctions	The price where there is no imbalance, including all auction eligible interest on the book that can trade, disregarding auction collars - Starting at the Imbalance Reference Price, moving up (down) for a buy (sell) imbalance, the Continuous Book Clearing Price will be the price where there is limited auction eligible interest (displayed or non-displayed) and no imbalance - If a Continuous Book Clearing Price is not reached, this field is defaulted to 0 - Calculations are NOT bound by the number of price points - The orders are included in the calculations at their limit price (unless they're Sell Short, in which case they are included at the higher of their limit price or SSR filing price)	Standard Pillar except for the following: Regulatory Closing Imbalances - this price is not included Informational Closing Imbalances - this price is included starting at 3:50 PM	N/A	Standard Pillar	Standard Pillar	N/A

		NYSE Pillar Trading Platform					
		Standard Pillar Feature/Behavior	NYSE - Tape A Symbols	NYSE - Tape B&C Symbols	NYSE Arca EQ	NYSE American EQ	NYSE National EQ/ Chicago EQ
		Opening Imbalances - this price is always included Closing Imbalances - this price is always included					
51	Imbalance Calculation - Closing Only Clearing Price #MarketData #Auctions	The price where all eligible auction only interest would trade inside the Auction Collars - Calculations are not bound by the number of price points Opening/Re-opening Imbalances - this price is always included Closing Imbalances - this price is always included	The price where there is no imbalance for closing only interest (MOC, LOC, Imbalance Offset) Opening/Re-opening Imbalances - this price is not included Regulatory Closing Imbalances - this price is not included Informational Closing Imbalances - this price is included starting at 3:50 PM	N/A	Standard Pillar	Standard Pillar	N/A
52	Imbalance Calculation - Auction Indicator #MarketData #Auctions	Indicates whether or not a re-opening auction will run. Can have values from 0 to 3	Standard Pillar, but can only have value 0 or 3 (which is set when the opening/re-opening auction won't run due to transitioning to the closing auction)	N/A	Standard Pillar	Standard Pillar	N/A
53	Imbalance Calculation - Freeze Status #MarketData #Auctions	Set to 1 when the stock is in an imbalance freeze and to 0 otherwise	Standard Pillar	N/A	Standard Pillar	Standard Pillar	N/A

		NYSE Pillar Trading Platform					
		Standard Pillar Feature/Behavior	NYSE - Tape A Symbols	NYSE - Tape B&C Symbols	NYSE Arca EQ	NYSE American EQ	NYSE National EQ/ Chicago EQ
54	Imbalance Calculation - Unpaired Quantity and Side #MarketData #Auctions	<p>For NYSE primary symbols,</p> <ul style="list-style-type: none"> - Unpaired Quantity and Unpaired Side will reflect the side and quantity of unpaired at and better priced interest at the Reference Price. These fields will be populated only for Closing Imbalances - as primary symbols migrate to Pillar <p>For Arca and American:</p> <ul style="list-style-type: none"> - Unpaired Quantity field will be set to 0 - Unpaired Side field will be set to space <p>These fields will not be on XDP version 1.x</p>	Standard Pillar	N/A	Standard Pillar	Standard Pillar	N/A
55	Publication of Market Center Official Closing Price (.M) #MarketData #Auctions	<p>Published for primary symbols when the stock closes. It is then re-published at the following times:</p> <ul style="list-style-type: none"> - 4:10 PM - 6:30 PM - 8:00 PM <p>Corrected consolidated close price (.9) is re-published at these same intervals if the closing auction resulted in a trade greater than or equal to a round lot</p>	Standard Pillar, but at each of these intervals it will not be re-published if the stock has not been closed or the system is no longer up	N/A	Standard Pillar	Standard Pillar	N/A
56	Publication of Market Center Official Opening Price (.Q) #MarketData #Auctions	<p>Official Opening Price is published for auction eligible symbols as follows:</p> <ul style="list-style-type: none"> - If the Core Auction concludes with a trade (odd lot or round lot), official opening price is sent as a separate message with the details of the opening trade, marked as 'Q' <p>If the Core Auction concludes with a quote, official opening price is sent after the first trade on the Exchange in the Core Session with the details of this trade, market as 'Q'</p>	Standard Pillar	NA	Standard Pillar	Standard Pillar	NA
57	Opening/Re-opening process with odd lots #MarketData #Auctions	<p>Stock can be opened/re-opened on an odd lot trade. This trade will be marked with trade condition 'O' (or '5' for re-opening) to XDP Trades, but not to SIP</p> <p>As part of the opening/re-opening on a quote, an odd lot trade may occur prior to the opening/re-opening quote publication</p>	Standard Pillar, but in case of the opening, the quote that follows the odd lot trade will be published with quote condition 'O'	N/A	Standard Pillar	Standard Pillar	N/A

		NYSE Pillar Trading Platform					
		Standard Pillar Feature/Behavior	NYSE - Tape A Symbols	NYSE - Tape B&C Symbols	NYSE Arca EQ	NYSE American EQ	NYSE National EQ/ Chicago EQ
58	Auction Bundling to SIP and XDP Trades #MarketData #Auctions	All auction prints are bundled to SIP and XDP Trades	Standard Pillar	N/A	Standard Pillar	Standard Pillar	N/A
59	Order Behavior prior to IPO/Direct Listing Opening #MarketData #OrderHandling #Auctions	Starting at the order acceptance time, orders arriving prior to an IPO/Direct Listing opening for primary symbols are ranked (and displayed orders are displayed to XDP Integrated Feed for their display quantity)	Standard Pillar	N/A	Standard Pillar	Standard Pillar	N/A
60	Sell Short Re-pricing for the Auctions #MarketData #OrderHandling #Auctions	For auction eligible symbols Sell Short orders during SSR are re-priced to the higher of their limit price or SSR filing price prior to the auction: <ul style="list-style-type: none">- At the scheduled opening time (9:30)- At the time of the halt for re-opening auction (see item 43 for more details on behavior at the time of the halt)- At the scheduled closing time (4pm/1pm) (see item 45 for more details on behavior at the scheduled closing time)	Standard Pillar	N/A	Standard Pillar	Standard Pillar	N/A
61	Retail Price Improvement Message on XDP Integrated Feed #MarketData #OrderHandling	Retail Price Improvement message (message type 114) is published when RPI interest is added or removed between the best bid and best offer price	Standard Pillar	Standard Pillar	Standard Pillar	N/A	N/A
62	Delete Messages for unexecuted orders when a security is closed #MarketData	When trading in a security is closed for the day, a Security Status ‘X’ is sent and unexecuted orders are cancelled, but explicit Delete Order Messages are not sent	Standard Pillar	Standard Pillar	Standard Pillar	Standard Pillar	Standard Pillar

		NYSE Pillar Trading Platform					
		Standard Pillar Feature/Behavior	NYSE - Tape A Symbols	NYSE - Tape B&C Symbols	NYSE Arca EQ	NYSE American EQ	NYSE National EQ/ Chicago EQ
63	NYSE IDO Order #OrderHandling #MarketData #Auctions	Issuer Direct Offering (“IDO”) Order - an order type used to facilitate the Primary Direct Floor Listing. The IDO will be entered prior to the opening of the Primary Direct Floor Listing to represent the shares being sold by the listed company. Issuer Direct Offering order: <ul style="list-style-type: none">- Displayed Sell LOO order- Published on the Integrated Feed and included in the opening imbalance calculation- Must execute in full in the open auction- ExtendedExecInst = 14 for Binary, ‘I’ for FIX- MPID must equal to the MPID of the assigned Broker Dealer, or order will reject- Limit price must be the lower value of the pre-defined auction range, or order will reject- Order quantity must equal the pre-defined IDO size, or order will reject- IDO cannot be cancelled	Standard Pillar	N/A	N/A	N/A	N/A
64	Pre-trade Risk Controls #General #OrderHandling	Pre-trade risk controls are available for optional use by trading and clearing members. The initial set of risk controls consists of: <ul style="list-style-type: none">- Single Order Maximum Quantity- Single Order Maximum Notional Value- Gross Credit (Open + Executed) Through the NYSE Pillar Trade Ops Portal (TOP) web UI, users may view, set, and monitor these controls per MPID or MPID + SubID registered with the Exchange. For more information, please see NYSE Pillar Risk Controls .	Standard Pillar	Standard Pillar	Standard Pillar	Standard Pillar	Standard Pillar
65	Routing to Broker Systems #General #Gateways #OrderHandling	Market-specific	Supports routing to NYSE Floor Broker Systems. For more information, please see the NYSE Pillar FIX Gateway Specification .	Supports routing to NYSE Floor Broker Systems. For more information, please see the NYSE Pillar FIX Gateway Specification .	N/A	N/A	NYSE Chicago - supports routing to Brokerplex. For more information, please see the NYSE Pillar FIX Gateway Specification . NYSE National - N/A

Document Version History

Date	Document Version #	Change Summary
March 14, 2022	15.0	Removed rows related to UTP and CCG/UTP Direct. Updated the Standard Pillar column and the respective market columns to reflect latest functionality, including the upcoming NYSE Pillar platform release announced via Trader Update (February 17, 2022).
November 15, 2019	14.0	Updates highlighted in the following cells: <ul style="list-style-type: none">- Row 26 <i>Add Liquidity Only (ALO) Order</i>, column <i>NYSE American EQ</i>- Row 28 <i>Day ISO and Day ISO ALO Orders</i>, column <i>NYSE American EQ</i>- Row 29 <i>Do Not Ship (DNS) Order/Non-Routable Limit Order</i>, column <i>NYSE American EQ</i>- Row 30 <i>Zero Display Reserve Order/Non-Displayed Limit Order</i>, column <i>NYSE American EQ</i>- Row 31 <i>MPL Order</i>, column <i>NYSE American EQ</i>- Row 34 <i>Minimum Trade Size and Minimum Fill</i>, column <i>NYSE American EQ</i>- Row 38 <i>LULD Re-pricing</i>, column <i>NYSE American EQ</i>- Row 39 <i>Repricing of Resting Limit Orders when Attempting to Quote through an Away Market</i>, column <i>NYSE American EQ</i>- Row 57 <i>d-Quotes / D Order</i>, column <i>NYSE Pillar - Tape B&C Symbols</i>, <i>NYSE Pillar - Tape A Symbols</i>
August 27, 2019	13.0	Relabeled "NYSE National EQ" Column as "NYSE National EQ/Chicago EQ". Minor differences between NYSE National and NYSE Chicago noted in rows 13, 47, and 52. Updates highlighted in the following cells: <ul style="list-style-type: none">- Row 19 <i>Auction Imbalance Publication Triggers, Times and Intervals</i>, columns <i>NYSE UTP; NYSE Pillar - Tape A Symbols; Standard Pillar Feature/Behavior</i>- Row 44 <i>Retail Liquidity Program</i>, column <i>NYSE Pillar - Tape B&C Symbols</i>
July 16, 2019	12.0	Updates highlighted in the following cells: <ul style="list-style-type: none">- NEW Row 84 <i>Set Slow Securities</i>
June 26, 2019	11.0	Updates highlighted in the following cells: <ul style="list-style-type: none">- Row 1 <i>Order Entry Time & Hours of Operation</i>, column <i>NYSE Pillar - Tape B&C Symbols</i>- Row 63 <i>Behavior at scheduled closing time (4:00 PM)</i>, column <i>NYSE Pillar - Tape B&C Symbols</i>- NEW Row 83 <i>Delete Messages for unexecuted orders when a security is closed</i>
May 20, 2019	10.0	Updates highlighted in the following cells: <ul style="list-style-type: none">- Introduction - added note regarding the meaning of #Gateways throughout the document- Row 1 <i>Order Entry Time & Hours of Operation</i>, column <i>NYSE UTP</i>- Row 4 <i>Price, LastPx Formats on Outgoing Gateway Messages & XDP Price Scale</i>, columns <i>NYSE UTP; NYSE Pillar - Tape B&C Symbols; NYSE Pillar - Tape A Symbols; Standard Pillar Feature/Behavior</i>- Row 19 <i>Auction Imbalance Publication Triggers, Times and Intervals</i>, column <i>NYSE UTP</i>- Row 20, <i>Regulatory Imbalance Publication Time</i>, column <i>NYSE UTP</i>- Row 38, <i>LULD Re-pricing</i>, column <i>NYSE Pillar - Tape B&C Symbols</i>- Row 45 <i>Retail Taker and RPI Order Behavior</i>, columns <i>NYSE UTP; Standard Pillar Feature/Behavior</i>

<u>Date</u>	<u>Document Version #</u>	<u>Change Summary</u>
		<ul style="list-style-type: none"> - Row 57 <i>d-Quotes / D Order</i>, columns <i>NYSE UTP; Standard Pillar Feature/Behavior</i> - Row 58 <i>Pre-Auction Freeze Processing</i>, column <i>NYSE Pillar - Tape A Symbols</i> - Row 67 <i>Imbalances Calculation - Reference Price</i>, column <i>NYSE Pillar - Tape A Symbols</i> - Row 69 <i>Imbalance Calculation - Continuous Book Clearing Price</i>, column <i>NYSE UTP</i> - Row 70 <i>Imbalance Calculation - Closing Only Clearing Price</i>, column <i>NYSE UTP</i> - Row 73 <i>New Fields on the Imbalance Message</i>, column <i>Standard Pillar Feature/Behavior</i> - NEW Row 81 <i>Retail Price Improvement Message on XDP Integrated Feed</i> - NEW Row 82 <i>Security Type on Symbol Index Mapping Message</i>
February 21, 2019	9.0	<p>Updates highlighted in the following cells:</p> <ul style="list-style-type: none"> - Row 4 <i>Price & LastPx Formats on Outgoing Messages</i>, column <i>Standard Pillar Feature/Behavior</i> - Row 45 <i>Retail Taker and RPI Order Behavior</i>, columns <i>NYSE UTP; Standard Pillar Feature/Behavior</i> - Row 63 <i>Behavior at scheduled closing time (4:00 PM)</i>, columns <i>Standard Pillar Feature/Behavior; NYSE Arca EQ; NYSE American EQ</i> - Row 65 <i>Significant Imbalance</i>, column <i>Standard Pillar Feature/Behavior</i> - Row 73 <i>New Fields on the Imbalance Message</i>; column <i>Standard Pillar Feature/Behavior</i> - NEW Row 80 <i>Sell Short Re-pricing for the Auctions</i>
January 14, 2019	8.0	<p>Updates highlighted in the following cells:</p> <ul style="list-style-type: none"> - Row 5 <i>ExecID and ExecRefID</i>, column <i>NYSE UTP</i> - Row 14 <i>Max Order Price</i>, column <i>NYSE Pillar - Tape A Symbols</i> - Row 19 <i>Auction Imbalance Publication Triggers, Times and Intervals</i>, column <i>NYSE Pillar - Tape A Symbols</i> - Row 37 <i>Self-Trade Prevention in parity market model</i>, columns <i>NYSE UTP; NYSE Pillar - Tape B&C Symbols; NYSE Pillar - Tape A Symbols</i> - Row 53 <i>Order Types & Modifiers - NYSE Availability by Symbol Tape A vs. Tape B&C</i>; column <i>NYSE Pillar - Tape B&C Symbols</i> - Row 57 <i>d-Quotes / D Order</i>; columns <i>NYSE Pillar - Tape B&C Symbols; NYSE Pillar - Tape A Symbols</i> - Row 62 <i>Halt Overlapping the Close</i>; column <i>Standard Pillar Feature/Behavior</i> - Row 65 <i>Significant Imbalance</i>; column <i>Standard Pillar Feature/Behavior</i> - Row 73 <i>New Fields on the Imbalance Message</i>; column <i>Standard Pillar Feature/Behavior</i> - NEW Row 79 <i>Order Behavior prior to IPO/Direct Listing Opening</i>
November 19, 2018	7.0	<p>Updated with track changes in preparation for - migration of NYSE primary listed symbols (Tape A) to the NYSE Pillar platform; functional changes to the other markets currently trading on the NYSE Pillar Platform.</p> <p>Updated introduction with background information for these changes.</p>
March 23, 2018	6.0	<p>Updated the following sections:</p> <ul style="list-style-type: none"> - “Reserve Order” - Reserve Quantity validation on mixed lots. - “MPL Order” - MPL IOC OrderQty validation on odd lots. - “Minimum Trade Size” - MinQty validation on DNS/Non-Routable Limit, MOO, LOO, and Market Day orders.
February 8, 2018	5.0	Added support for NYSE National Equities.

<u>Date</u>	<u>Document Version #</u>	<u>Change Summary</u>
January 4, 2018	4.0	Updated the following sections: <ul style="list-style-type: none">- “Done for Day Messages” – added detail regarding OrigClOrdID field- “Cancel and Cancel-Replace Handling” – added detail regarding the handling of a Cancel or Cancel/Replace Request to change the quantity of an order in a pending state, that is then fully executed or cancelled before the change can be applied
November 17, 2017	3.0	Updated the section “ExecID and ExecRefID” – added details regarding CCG FIX tags ERReferenceNumber (9440), ExpERReferenceNumber (9579) and PrevExpERReferenceNumber (9704) Added new section “FIX ‘Account’ (Tag 1) Length Limitation on Inbound Orders & Cancel/Replace Requests.”
October 16, 2017	2.0	Updated the following sections: <ul style="list-style-type: none">- “Price and LastPx Formats on Outgoing Messages” – added details for Standard Pillar Feature/Behavior- “Working Price on Outgoing Acknowledgements” – re-named section and updated description to apply generally to all outgoing messages- “Primary Pegged/Non-Displayed Primary Pegged Order,” “MPL Order,” and “Minimum Trade Size” – added details to NYSE American column regarding optional Minimum Fill modifier- “Cancel and Cancel-Replace Handling” – added details to NYSE Pillar B&C column regarding the elimination of Cancel Request to reduce OrderQty Added new section “Internal Cancel on Disconnect – Pillar to Gateway.”
September 7, 2017	1.0	Initial version of the document.